



DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE

~~FEDERAL SECURITY AGENCY~~
PUBLIC HEALTH SERVICE

IN REPLYING, ADDRESS THE

July 28, 1953

Communicable Disease Center
Enteric Bacteriology Laboratories
P. O. Box 185
Chamblee, Georgia

Dr. Joshua Lederberg
Department of Genetics
University of Wisconsin
Madison 5, Wisconsin

Dear Dr. Lederberg:

I am sending you two additional C_1 cultures susceptible to Beccles and Taunton para B phages. One is 3008-52, S. denver 6,7: a-e,n,z₁₅ and the other is 2592-53, kunzensdorf. Miss Davis has been testing other strains in her spare time. Thus far, all (10) strains of kunzensdorf tested are susceptible to Beccles and Taunton phage and seven of eight S. denver strains are susceptible to either Taunton or Beccles or both. Thus, it appears that certain types of Salmonella not containing XII antigen are rather uniformly susceptible to Beccles and Taunton phages. There is, of course, no expressed "O" antigen relationships between B and C_1 groups but we have tested some strains of denver and kunzensdorf with adsorbed XII₂, XII₃, V, and XXVII serums and with IV, V, XII and IV, XXVII, XII, I, II, XII, and I, III, XIX serum. The results indicate that the susceptibility of C_1 cultures to para B phages is independent of serological relationships between the C_1 and B groups. Two denver cultures were agglutinated slightly by group B serum. One of these happened to be the only denver culture which was resistant to the phages. These were the only cultures found to be related to group B and this relationship is slight, inconsistent, and in my opinion, of no significance.

As we have time, we shall continue to look for other serotypes susceptible to para B phages.

Thought you would be interested in these observations.

Regards to you and Mrs. Lederberg.

For the Officer-in-Charge, Bacteriology Section

Sincerely yours,

William B. Cherry
William B. Cherry, Ph.D.
Bacteriologist-
Enteric Bacteriology Unit

WBC:mg

P.S. I held this letter pending an attempt to get Phil. to check the 302-50 relationship to group B but he hasn't gotten around to it yet. Will write you about this later. WAC.